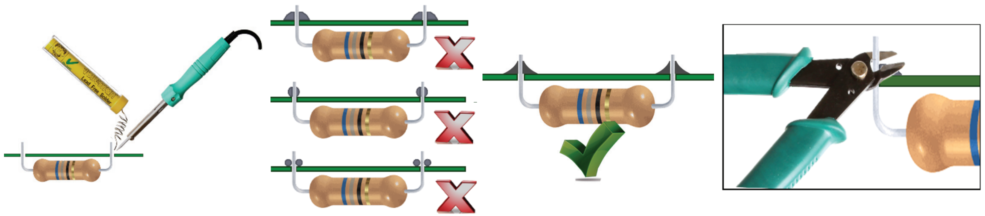
Soldering - Solderen - Soudage - Löten - Soldadura - Lödning - Juottami nen - Saldatura - Solda

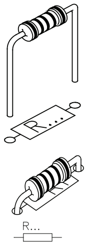


Component side - Componentenzijde - Côte composants - Bauteileseite - Lado de los componentes

PMK191

START

1 Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



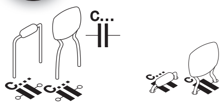
◊ R1...R4: 2K2 — (Red, Red, Red) - (Rood, Rood, Rood) - (Rouge, Rouge, Rouge) -(Rot, Rot, Rot) - (Röd, Röd, Röd) - (Punainen, Punainen, Punainen) - (Rojo, Rojo, Rojo) - (Encarnado, Encarnado, Encarnado) - (Rosso, Rosso, Rosso)

◊ R5, R9: 680 ohm — (Blue, Grey, Brown) - (Blauw, Grijs, Bruin) - (Bleu, Gris, Brun) - (Blau, Grau, Braun) - (Blå, Grå, Brun) - (Sininen, Harmaa, Ruskea) - (Azul, Gris, Marrón) - (Azul, Cinzento, Castanho) - (Blu, Grigio, Marrone)

◊ R6...R8: 1K — (Brown, Black, Red) - (Bruin, Zwart, Rood) -(Brun, Noir, Rouge) - (Braun, Schwarz, Rot) - (Brun, Svart, Röd) - (Ruskea, Musta, Punainen) - (Marrón, Negro, Rojo) - (Castanho, Preto, Encarnado) - (Marrone, Nero, Rosso)

◊ R10: 150 ohm — (Brown, Green, Brown) - (Bruin, Groen, Bruin) - (Brun, Vert, Brun) - (Braun, Grün, Braun) - (Brun, Grön, Brun) - (Ruskea, Vihreä, Ruskea) - (Marrón, Verde, Marrón) - (Castanho, Verde, Castanho) - (Marrone, Verde, Marrone)

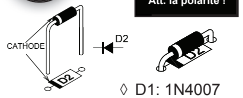
2 Ceramic capacitors



◊ C5: 100nF (104)

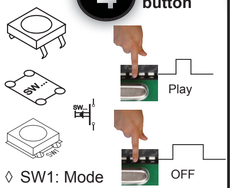
3 Diode

Watch the polarity ! Att. la polarité !



◊ D1: 1N4007

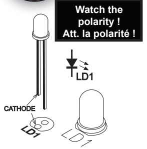
4 Push button



◊ SW1: Mode

5 LED

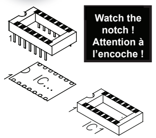
Watch the polarity ! Att. la polarité !



◊ LD1 : red

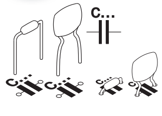
6 IC-Socket

Watch the notch ! Attention à l'encoche !



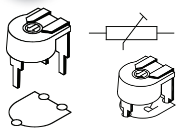
◊ IC1 : 14p

7 Ceramic capacitors



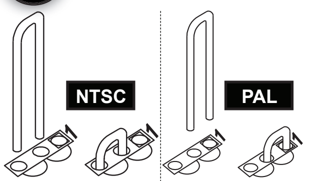
◊ C1, C2: 22pF (22)
◊ C3, C4: 10nF (103)

8 Horizontal Trimmer



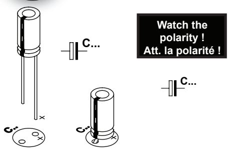
◊ RV1: 1K (Brightness)

9 SK4: Video signal selector



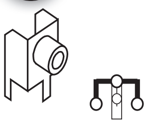
10 Electrolytic capacitors

Watch the polarity ! Att. la polarité !



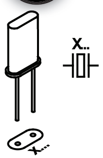
◊ C6: 10µF

11 Cinch Connectors



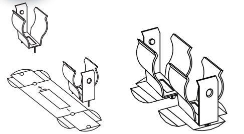
◊ AUDIO OUT
◊ VIDEO OUT

12 Crystal



◊ X1: 16MHz

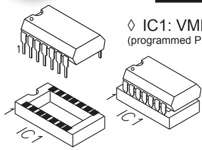
13 Battery holder



◊ E1, E2

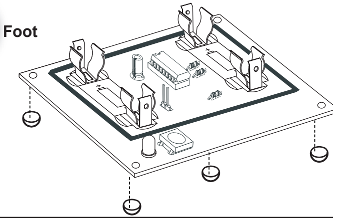
14 IC

Watch the notch ! Attention à l'encoche !



◊ IC1: VMK191
(programmed PIC16F1823-I/P)

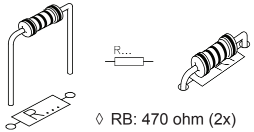
15 Foot



PMK191-B

START

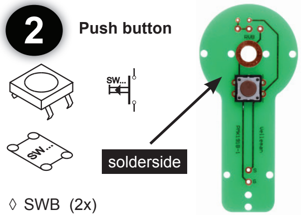
1 Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



◊ RB: 470 ohm (2x)

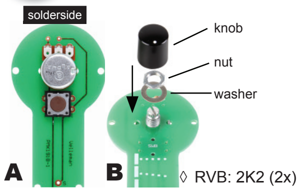
(Yellow, Purple, Brown) - (Geel, Paars, Bruin) - (Jaune, Violet, Brun) - (Gelb, Violet, Braun) - (Gul, Lila, Brun) - (Keltainen, Purppura, Ruskea) - (Amarillo, Morado, Marrón) - (Amarelo, Violeta, Castanho) - (Giallo, Viola, Marrone) - (Gul, Violet, Brun)

2 Push button



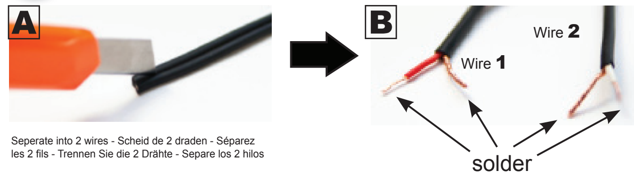
◊ SWB (2x)

3 Potentiometer + knob



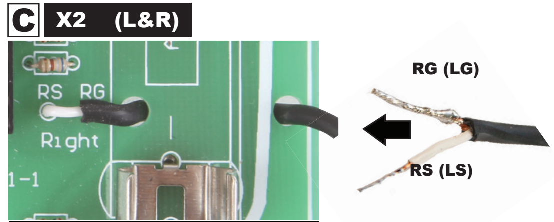
◊ RVB: 2K2 (2x)

4 Wire



Seperate into 2 wires - Scheid de 2 draden - Séparez les 2 fils - Trennen Sie die 2 Drähte - Separe los 2 hilos

C X2 (L&R)



PMK191

D X2



PMK191-B

